| Time Stamp | | 2007/06/05 15:15 | 2007/06/04 14:21 | 2007/06/04 14:20 | 2007/06/06 10:08 | 2007/06/04 14:25 |
|--------------|----------|---|--|--|--|---|
| Plurals | | NO | NO | N O | NO | NO . |
| Default | Operator | OR | OR | NO. | OR | OR |
| DBs | | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCK; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| Search Query | | "616613".ap. | ((link or path or route or channel or tunnel) adj utili\$5) adj (limit or threshold or maximum or max) | ((link or path or route or channel or tunnel) adj utili\$5) adj (limit or threshold or maximum or max) same3 (virtual adj (circuit or device or unit)) | ((link or path or route or channel or tunnel) adj utili\$5) adj (limit or threshold or maximum or max) with5 (virtual adj (circuit or device or unit)) | ((link or path or route or channel or tunnel) adj utili\$5) adj (limit or threshold or maximum or max) and "370"/\$.ccls. |
| Hits | | 4 | 33 | 10844 | 11420 | 11 |
| Ref | # | 21 | S | S | \$ | SS |

| 2007/06/04 14:39 | 2007/06/04 14:27 | 2007/06/04 14:35 | 2007/06/06 10:08 | 2007/06/04 14:38 |
|--|--|---|---|--|
| NO | NO | N O | N O | NO . |
| NO . | R | a S | AQ . | g S |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB |
| (virtual adj (circuit or device or unit)) near4 ((link or path or route or channel or tunnel)) | (virtual adj (circuit or device or unit)) near4 ((link or path or route or channel or tunnel)) adj2 (limit or threshold or maximum or max) | (virtual adj (circuit or device or unit)) near4 ((link or path or route or channel or tunnel)) adj2 (limit or threshold or maximum or max) and "370"/\$.ccls. | (virtual adj (circuit or device or unit)) and ((link or path or route or channel or tunnel)) adj2 (limit or threshold or maximum or max) and "370"/\$.ccls. | S9 and (process\$4) |
| 2623 | 14 | 12 | 290 | 278 |
| 95 | 25 | 88 | 85 | 510 |

| 2007/06/04 14:40 | 2007/06/04 14:41 | 2007/06/04 15:03 | 2007/06/04 14:43 | 2007/06/04 14:43 |
|---|--|--|--|--|
| NO | ON 5 | 0 0 | 0 0 | 0 N |
| K . | NO . | OR . | NO No | OR . |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| system near5 (virtual adj (circuit or device or unit)) near4 ((link or path or route or channel or tunnel)) | system near5 (virtual adj (circuit or device or unit)) near4 ((link or path or route or channel or tunnel)) and "370"/\$.ccls. | S12 and (@rlad<"20030709" and @ad<"20030709") | 5 S10 and (@rlad<"20030709" and @ad<"20030709") | S9 and (@rlad<"20030709" and @ad<"20030709") |
| 142 | 98 | 14 | 92 | 78 |
| S11 | S12 | 513 | 514 | 515 |

| S16 | 26 | S11 and (@rlad<"20030709" and @ad<"20030709") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | NO | 2007/06/04 15:03 |
|-----|-----|--|--|---------|----|------------------|
| S17 | 348 | cost near5 (optimal adj2 (path or route or channel or tunnel or link)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SO. | NO | 2007/06/05 15:25 |
| 818 | 92 | cost near5 (optimal adj2 (path or route or channel or tunnel or link)) and "370"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR S | NO | 2007/06/05 15:19 |
| 819 | C) | S18 and (digital adj2 communicat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | % S | NO | 2007/06/05 15:17 |
| 220 | 7 | cost near5 (optimal adj2 (path or route or channel or tunnel or link)) and "370"/328.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2007/06/05 15:19 |
| S21 | 1 | ("2004/0156495").URPN. | USPAT | OR | NO | 2007/06/05 15:20 |

| 2007/06/05 15:21 | 2007/06/05 15:21 | 2007/06/05 15:22 | 2007/06/06 10:09 | 2007/06/05 16:05 |
|--|--|--|--|--|
| No. | NO | NO | N O | NO |
| g | No. | S. | R | a R |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| cost near5 (optimal adj2 (path or route or channel or tunnel or link)) and bandwidth | cost near5 (optimal adj2 (path or route or channel or tunnel or link)) and bandwidth and 370/328.ccls. | cost near5 (optimal adj2 (path or route or channel or tunnel or link)) and bandwidth and 370/238.ccls. | S24 and (@ad<"20030709") | S25 and (@rlad<"20030709") |
| 98 | | 27 | 20 | r. |
| | S23 | S24 | S25 | S26 |

| 2007/06/05 16:04 | 2007/06/05 16:07 | 2007/06/05 16:14 | 2007/06/06 10:10 | 2007/06/05 16:06 |
|---|--|--|--|--|
| NO . | NO . | NO _. | N _O | N O |
| SO. | SO. | SO. | OR | % |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR |
| cost near5 (optimal adj2 (path or route or channel or tunnel or link)) same2 (switch adj2 digital adj2 communicat\$4) | (switch adj2 digital adj2 (path or route or channel or tunnel or link)) same2 (switch adj2 digital adj2 communicat\$4) and 370/238.ccls. | 5 S28 and (@ad<"20030709") | S29 and (@rlad<"20030709") | ("20010046856" "20020015403" "20020029189" "20020091754" "20020112014" "20020167909" "20030083078" "20030118027" "20030140226" "20030202521" "20040032856" "5351235" "5621727" "5768509" "5887249" "5894478" "6208870" "6230009" "6240293" "6366663" "6421437" "6484197" "6535746" "6560226" "659254" "669254" "669256" "6772567" "6560226" "669254" "669256" "677267" "6560226" "677267" "677267" "6560226" "677267" "677 |
| 692 | 374 | 245 | 98 | 30 |
| 227 | 228 | S29 | S30 | S31 |

| 2007/06/05 16:08 | 2007/06/05 16:09 | 2007/06/05 16:10 | 2007/06/05 16:18 | 2007/06/05 16:11 |
|---|--|--|--|--|
| NO | NO | NO O | NO | NO |
| S. | S S | S S | S. | Ж |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| cost near5 (optimal adj2 (path or route or channel or tunnel or link)) same2 ((switch adj2 digital adj2 communicat\$4) and network) and 370/238.ccls. | S32 and (@ad<"20030709") | S33 and 370/351.ccls. | 370/328.cds. | 370/328.ccls. and (digital adj2 comunicat\$4) |
| 374 | 245 | | 2385 | 0 |
| S32 | 233 | S34 | S35 | 536 |

| 2007/06/05 16:11 | 2007/06/05 16:11 | 2007/06/05 16:11 | 2007/06/05 16:12 | 2007/06/05 16:18 |
|--|--|--|--|--|
| NO | <u>N</u> O | <u>N</u> | <u>N</u> | NO O |
| 8 | 8 | & S | SO. | SO. |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| 370/328.ccls. and (cost) | 370/328.ccls. and S17 | 370/328.ccls. and bandwidth | S39 and cost | S39 and (cost same1 ((path or channel or tunnel or link) adj2 optim\$5)) |
| 801 | | 938 | 408 | 431 |
| 837 | 8238 | 833 | S40 | 241 |

| | - | | | | |
|-----|--|--|-----|----------------|------------------|
| 245 | S41 and (@ad<"20030709") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ž | 2 | 2007/06/05 16:19 |
| 416 | S39 and (cost same1 ((path or channel or tunnel or link) adj2 optim\$2)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SO. | NO O | 2007/06/05 16:14 |
| 430 | S39 and (cost same1 (optim\$2 adj2 (path or channel or tunnel or link))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | g | NO | 2007/06/05 16:15 |
| 51 | S39 and ((optim\$2 adj2 (path or channel or tunnel or link))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | Ř | N _O | 2007/06/05 16:19 |
| 56 | ("5159592" "5325362" "5487065" "5519706" "5564070" "5590126" "5598536" "5610904" "5659544" "5708655" "5717688" "5790548" "5812531" "5812819" "6088725" "6219715" "6230012" "6272148" "6393482").PN. OR ("6654359").URPN. | US-PGPUB; USPAT; USOCR | OR | N O | 2007/06/05 16:15 |

| 2007/06/05 16:17 | 2007/06/05 16:18 | 2007/06/05 16:18 | 2007/06/05 16:19 | 2007/06/05 16:20 |
|--|---|--|--|--|
| NO | NO . | NO O | N _O | NO O |
| RO | S. | OR. | S. | S. |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | USPAT; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| S39 and ((optim\$2 adj2 (path or channel or tunnel or link)) with bandwidth) | 370/238.ccls. | S48 and (cost same1 ((path or channel or tunnel or link) adj2 optim\$5)) | S48 and ((optim\$2 adj2 (path or channel or tunnel or link))) | S50 and bandwidth |
| 7 | 762 | 528 | 176 | 132 |
| 247 | S48 | S49 | S50 | S51 |

| S52 | 102 | S51 and (@ad<"20030709") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | <u>Z</u> | 2007/06/05 16:19 |
|-----|-----|---|--|--------|----------|------------------|
| S53 | 41 | S50 and (bandwidth near2 load) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 8 | NO | 2007/06/05 16:20 |
| SSS | | ((ATM adj standard) or "generic application transport information element") and 370/238.1.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | a R | NO | 2007/06/06 08:42 |
| S56 | 2 | ("generic application transport information element") and "370"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | S. | NO | 2007/06/06 08:45 |
| 257 | | ("generic application transport information element") and "6560242".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 8 8 | NO | 2007/06/06 08:46 |

| 2007/06/06 10:08 | 2007/06/06 10:09 | 2007/06/06 10:10 |
|--|--|--|
| NO | No. | NO |
| R | S. | S. |
| US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| ((link or path or route or channel or tunnel) adj utili\$5) adj (limit or threshold or maximum or max) with5 (virtual adj (circuit or device or unit)) and 370/395.ccls. | S59 and (@ad<"20030709") | S60 and (@rlad<"20030709") |
| 625 | 30 | ∞ |
| 559 | 098 | 561 |